

Abstract of the Disclosure

First, a digital section constituting a linearizer is activated. Then, a feedback loop for
5 updating a distortion compensation coefficient is opened. Then, the analog section on the antenna side
is activated from an ADC, including a PA, etc., or a
DAC. Then, both the ATT value of an ATT installed in
a feedback route for updating the distortion
10 compensation coefficient and the signal delay amount
of a signal delay unit are adjusted to make a state
such that the distortion compensation coefficient can
be accurately updated. Then, the feedback loop is closed,
a distortion compensation table having the distortion
15 compensation coefficient as an entry is generated and
after the generation is completed, the operation shifts
to the normal operation.